SPYWOLF

Security Audit Report

Completed on
July 21, 2022

MADE IN USA 🇺🇸

OVERVIEW

This audit has been prepared for **Goblin 2.0** to review the main aspects of the project to help investors make make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✔ Contract's source code
- ✔ Owners' wallets
- ✔ Tokenomics
- ✔ Team transparency and goals
- ✔ Website's age, code, security and UX
- ✔ Whitepaper and roadmap
- ✔ Social media & online presence

"

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

– SPYWOLF Team –

"

TABLE OF CONTENTS

GOBLIN 2.0

PROJECT DESCRIPTION

According to their website::

"Goblin 2.0 - a heavy hitting trend setter.

We are a fresh launch focusing on the Goblin community and enticing steady growth.

It's time for every Goblin to rise up and take over the entire world!

Become a Goblin and work together with the Goblin Army to help achieve this goal!

All will feel our power!"

Release Date: July 20, 2022

Category: Memecoin

01

CONTRACT INFO

Token Name
Goblin 2.0

Symbol
GOBLIN2

Contract Address
0x5bCff496fa2eB45B97f9afca7D583147794eb4f3

Network
Binance Smart Chain

Language
Solidity

Deployment Date
July 20, 2022

Verified?
Yes

Total Supply
100,000,000,000

Status
Launched

TAXES

Buy Tax
10%

Sell Tax
10%

*Taxes can be changed in future

Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

02

CURRENT STATS

(As of July 21, 2022)

Liquidity

PancakeSwap:
124 WBNB

Burn

No tokens burnt

Status:
Launched!

MaxTxAmount
2,000,000,000

DEX:
PancakeSwap

LP Address(es)

Pancakeswap:
0x84f8AE4678522D465F194Bd3a70a097a3Cf9AC18

96.2% locked in Mudra - unlocks at August 21, 2022
https://mudra.website/?certificate=yes&type=0&lp=0x84f8ae4678522d465f194bd3a70a097a3cf9ac18

03

TOKEN TRANSFERS STATS

Transfer Count	4429
Uniq Senders	438
Uniq Receivers	906
Total Amount	460486732237 GOBLIN2
Median Transfer Amount	10789602 GOBLIN2
Average Transfer Amount	103970813 GOBLIN2
First transfer date	2022-07-20
Last transfer date	2022-07-21
Days token transferred	2

SMART CONTRACT STATS

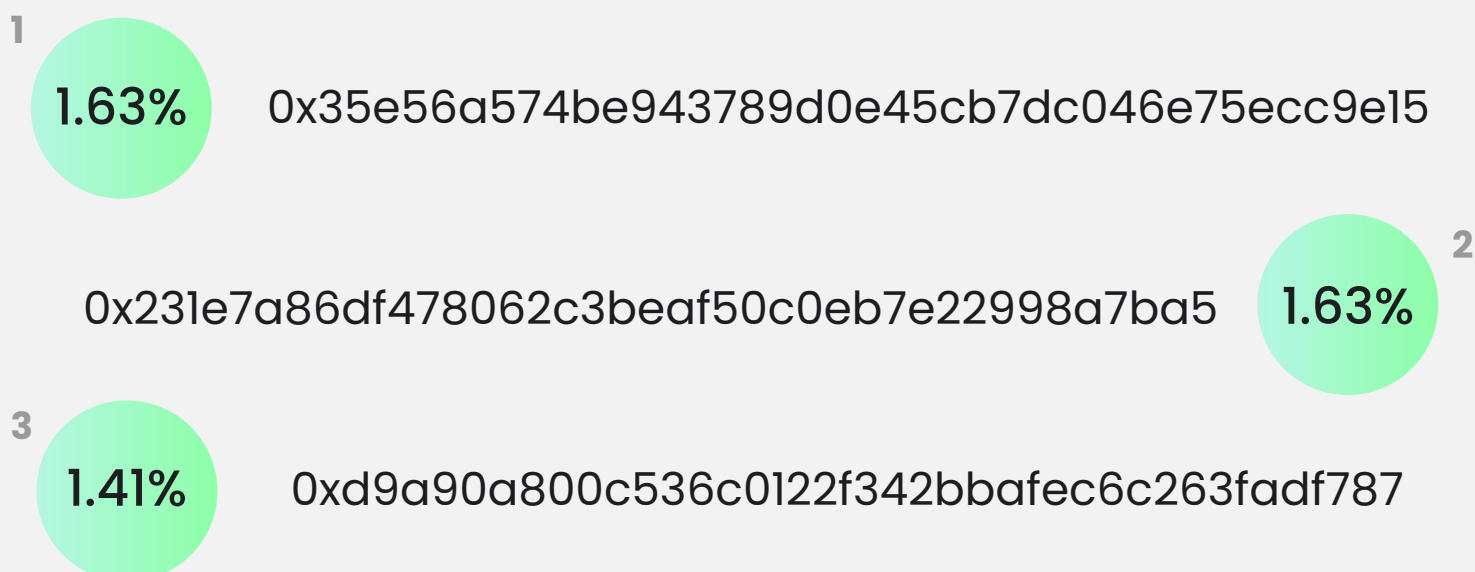|	
Calls Count	7721
External calls	697
Internal calls	7024
Transactions count	2748
Uniq Callers	694
Days contract called	2
Last transaction time	2022-07-21 06:30:31 UTC
Created	2022-07-20 19:30:46 UTC
Create TX	0xdc469ef8817df75080bc3c1deb362a7cc306eb338d53f20777766f9952692689
Creator	0x9bfafbe55208df75b849af2383c85fe177f94cbe

FEATURED WALLETS

*Owner address	0x9bfafbe55208df75b849af2383c85fe177f94cbe
*Dev address	0x6b83746f45491f9eed59ffbc169ef8c5ea118c9e
*Liquidity address	Same as owner
*Marketing address	Same as owner
*Team address	0x13c4be2b2687d7ade9fa5068971e03a64c7df85d
LP address	**Pancakeswap: 0x84f8AE4678522D465F194Bd3a70a097a3Cf9AC18** **96.2% locked in Mudra - unlocks at August 21, 2022** https://mudra.website/?certificate=yes&type=0&lp=0x84f8ae4678522d465f194bd3a70a097a3cf9ac18

*Address can be changed in future

TOP 3 UNLOCKED WALLETS

1

1.63% 0x35e56a574be943789d0e45cb7dc046e75ecc9e15

0x231e7a86df478062c3beaf50c0eb7e22998a7ba5 **1.63%** **2**

3

1.41% 0xd9a90a800c536c0122f342bbafec6c263fadf787

VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed

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THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

07

⚠️ High Risk

Owner can disable trade.
Owner can include addresses that can trade even when trading is disabled.

```solidity
function switchMarketActive(bool _state) external onlyOwner {
    marketActive = _state;
    if(_state) {
        marketActiveAt = block.timestamp;
    }
    emit MarketStatusChanged(_state, block.timestamp);
}

function editPremarketUser(address _target, bool _status) external onlyOwner {
    premarketUser[_target] = _status;
    emit PremarketUserChanged(_status,_target);
}
```

- Note:
    - This function can sometimes be useful in case of an issue with the contract or a hack to temporarily pause trading in order to fix it. The team confirmed that this was the purpose for including it.

08-A

⚠️ Low Risk

Owner can change buy/sell fees up to 20% for buy+sell combined.

```
function setFee(uint Buymarketing, uint Buyliquidity,uint Sellmarketing, uint Sellliquidity,
uint Buydev, uint Buyteam,uint Selldev, uint Sellteam) external onlyOwner {
    //buy
    buyMarketingFee = Buymarketing;
    buyLiquidityFee = Buyliquidity;
    buyDevFee = Buydev;
    buyTeamFee = Buyteam;
    totalBuyFee = buyMarketingFee + buyLiquidityFee + buyDevFee + buyTeamFee;
    //sell
    sellMarketingFee = Sellmarketing;
    sellLiquidityFee = Sellliquidity;
    sellDevFee = Selldev;
    sellTeamFee = Sellteam;
    totalSellFee = sellMarketingFee + sellLiquidityFee + sellDevFee + sellTeamFee;
    //checks
    require(totalBuyFee + totalSellFee <= 200,"Total fees cannot be over 20%");
    emit FeesChanged(buyMarketingFee,buyLiquidityFee,buyDevFee,
    Buyteam,sellMarketingFee,sellLiquidityFee,sellDevFee,sellTeamFee);
}
```

08-B

ℹ️ Informational

Owner can withdraw any tokens from the contract.

```solidity
function transferToken(address _token, address _to, uint _value)
external onlyOwner returns(bool _sent){
    if(_value == 0) {
        _value = IERC20(_token).balanceOf(address(this));
    }
    _sent = IERC20(_token).transfer(_to, _value);
    emit TokenRemovedFromContract(_token, _value);
}

function transferBNB() external onlyOwner {
    uint balance = address(this).balance;
    payable(owner()).transfer(balance);
    emit BnbRemovedFromContract(balance);
}
```

Owner can exclude address from fees.

```solidity
function editExcludedFromFees(address _target, bool _status) external onlyOwner {
    excludedFromFees[_target] = _status;
    emit ExcludeFromFeesChanged(_status,_target);
}
```

08-C

RECOMMENDATIONS FOR

GOOD
PRACTICES

1. Consider fundamental tradeoffs

2. Be attentive to blockchain properties

3. Ensure careful rollouts

4. Keep contracts simple

5. Stay up to date and track development

Goblin 2.0
GOOD PRACTICES FOUND

✔ The owner cannot mint new tokens after deployment

✔ The owner cannot set a transaction limit, lower than total supply.
Current tx limit is 2% of total supply (default).

09

Current tokens distribution according to BSCScan:

- 10.15% - Liquidity pair
- 7.23% - Top 5 holders
- 82.62% - Rest of the holders

Legend:
- Liquidity pair
- Top 5 holders
- Rest of the holders

10,2%

7,2%

82,6%
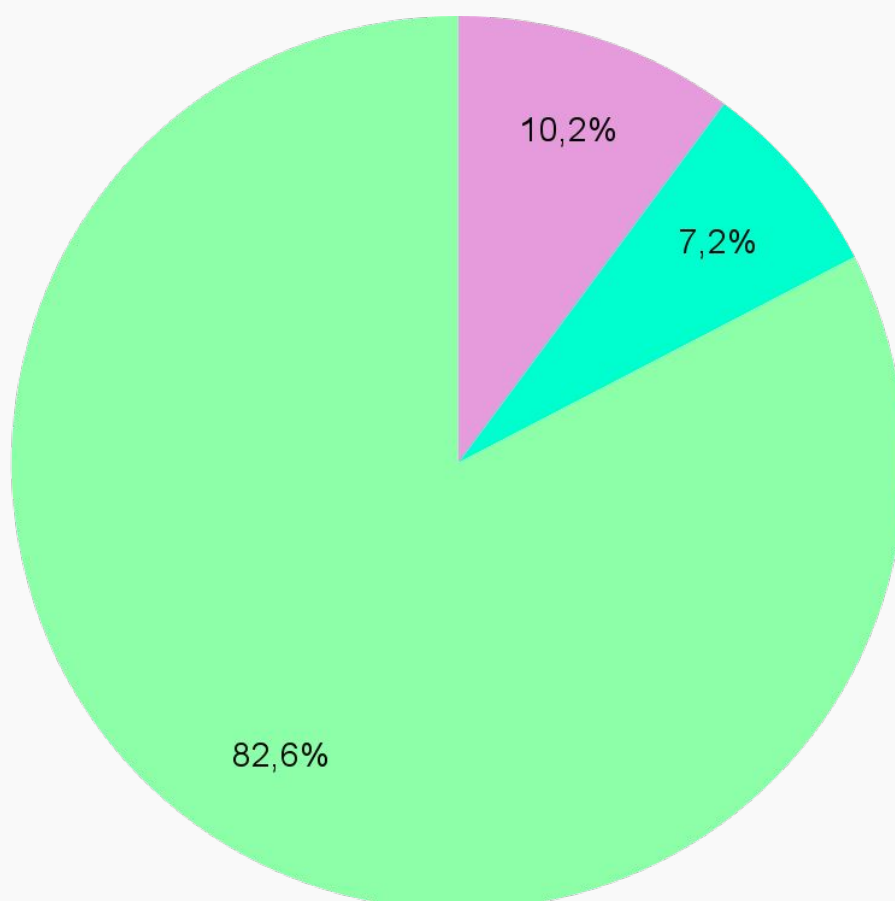
THE TEAM

The team has privately doxxed to SPYWOLF by completing the following KYC requirements:

- ID Verification
- Video statement
- Video interview with devs
- Owner's wallet verification

KYC INFORMATION

Issuer

SPYWOLF

Members KYC'd

👤

KYC Date

July 21, 2022

Format

Image

Certificate Link

https://github.com/SpyWolfNetwork/KYCs/blob/main/July/KYC_Goblin_2_0x5bCff496fa2eB45B97f9afca7D583147794eb4f3.png

KYC CERTIFICATE

Goblin 2.0 (GOBLIN2)
0x5bCff496fa2eB45B97f9afca7D583147794eb4f3

This is to certify that the team at
Goblin 2.0

Has passed the KYC verification process on **July 21, 2022**

Tasks Completed:
- ✔ ID Verification
- ✔ Video statement
- ✔ Video interview with devs
- ✔ Owner's wallet verification

*ALWAYS REVIEW AUDIT BEFORE INVESTING

MADE IN USA 🇺🇸

@SPYWOLFNETWORK
@SPYWOLFNETWORK
SPYWOLF.CO

Website URL
https://www.goblintwo.com

Domain Registry
https://realtimeregister.com

Domain Expiration
July 20, 2023

Technical SEO Test
Website not ready

Security Test
Passed. SSL certificate present

Design
Website not ready

Content
Website not ready

Whitepaper
Not ready

Roadmap
Website not ready

Mobile-friendly?
Website not ready

Home   Road Map   Live Chart   About Us   Audit   Buy Here

UNDER CONSTRUCTION!

Goblin 2.0

Buy on PancakeSwap

Chart

goblintwo.com

SOCIAL MEDIA
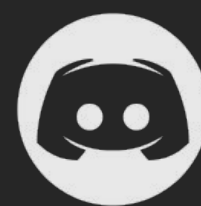## & ONLINE PRESENCE

ANALYSIS

Projects social media presence is very new but active.

Twitter

@GoblinTwoBSC

- 38 followers
- New account
- Few posts

Discord

Discord link here

- Not available

Telegram

@GoblinTwo

- 1605 members
- Active mods and devs
- Daily announcements

Medium

Medium link here

- Not available

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SPYWOLF
CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

✔ **OVER 150 SUCCESSFUL CLIENTS**

✔ **MORE THAN 500 SCAMS EXPOSED**

✔ **MILLIONS SAVED IN POTENTIAL FRAUD**

✔ **PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS**

✔ **CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH**

To hire us, reach out to contact@spywolf.co or t.me/joe_SpyWolf

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.